

April 9, 2008

Chip Humphrey
Eric Blischke
U.S. Environmental Protection Agency, Region 10
805 SW Broadway, Suite 500
Portland, OR 97205

**Re: Lower Willamette River, Portland Harbor Superfund Site
USEPA Docket No: CERCLA-10-2001-0240
Monthly Progress Report for March 2008**

Dear Mssrs. Humphrey and Blischke:

This monthly status report provides information required by the Portland Harbor Superfund Site Administrative Settlement and Administrative Order on Consent (ASOC).

1. ACTIONS TAKEN IN MARCH 2008

- On March 17, 2008 EPA approved the LWG's proposed approach for prioritizing analyses for limited volumes of Round 3B stormwater outfall sediment trap samples. The analytical laboratories have initiated analysis of these samples.

Deliverables Approved by EPA

- None

Deliverables Submitted to EPA

- March 14, 2008: Willamette Cove Sediment Data Report
- March 24, 2008: Feasibility Study Chemical Mobility Testing Field Sampling Plan
- March 21, 2008: Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Report

Comments/Documents provided by EPA

- March 13, 2008: Comments on Round 3B Side-Scan Sonar Field Sampling Plan
- March 20, 2008: Comments on Section 10 – Preliminary Identification of iAOPCs, Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report
- March 24, 2008: Status of Round 3 Sampling Activities
- March 28, 2008: EPA Guidance on the Portland Harbor Feasibility Study

2. PROBLEMS ENCOUNTERED, ANTICIPATED DELAYS, AND SOLUTIONS

EPA's January 15, 2008 initial comments on the February 21, 2007 Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report indicated that comments on Appendix G – Toxicity Reference Values for the Baseline Ecological Risk Assessment would be provided by February 15, 2008 and that comments on Appendix E – Food Web Model and Biota-Sediment Accumulation Factor (BSAF) Development and Section 11 – Conceptual Site Model and Associated Appendices I and J would be provided to the LWG by March 1, 2008. EPA comments on these sections of the Round 2 report have not yet been received by the LWG. Receipt of these comments is necessary for the LWG to develop the draft RI report and early FS submittals by late 2008 and early 2009, respectively.

3. RESULTS OF SAMPLING, TESTS, AND OTHER DATA RECEIVED

The following chemical analysis results were received and validated in March 2008:

Round 3 Lamprey Ammocoete Toxicity Testing Phase 2					
Lab	Analyte Group	Total # Samples for Task	Data Received March 2008	% Analysis Complete	% Validation Complete
CAS	Conventionals	30	0	100	100
CAS	PCP	32	0	100	100
CAS	Lindane	32	0	100	100
CAS	Diazinon	32	0	100	100
CAS	Aniline	31	0	100	100
CAS	Naphthalene	63	0	100	100
CAS	Copper	32	0	100	100
CAS	Copper, dissolved	32	0	100	100
Round 3 Sediment Trap (Deployed in River) Event IV					
Lab	Analyte Group	Total # Samples for Task	Data Received March 2008	% Analysis Complete	% Validation Complete
CAS	Conventionals	17	3	100	82
CAS	Metals	17	3	100	82
CAS	Butyltins	16	2	100	88
CAS	TPH	14	0	100	100
CAS	VOC	17	0	100	100
CAS	Dioxins	17	3	100	82
CAS	Pesticides	17	3	100	82
CAS	PCBs	14	14	100	0
CAS	SVOC	16	2	100	88
CAS	Herbicides	14	0	100	100
CAS	PAH-SIM	16	2	100	88
Vista	PCB congeners	17	0	100	100

Round 3B Stormwater Outfalls - Sediment Traps

Lab	Analyte Group	Total # Samples for Task	Data Received	% Analysis Complete	% Validation Complete
			March 2008		
CAS	Conventionals	15	0	0	0
CAS	Metals	12	0	0	0
CAS	Pesticides	13	0	0	0
CAS	SVOC	13	0	0	0
CAS	Herbicides	10	0	0	0

Round 3B Stormwater Outfalls (November Events I, II, III)

Lab	Analyte Group	Total # Samples for Task	Data Received	% Analysis Complete	% Validation Complete
			March 2008		
CAS	Conventionals	15	0	100	100
CAS	Metals	13	0	100	100
CAS	Metals dissolved	12	0	100	100
CAS	Pesticides	2	0	100	100
CAS	Herbicides	8	0	100	100
CAS	PAH-SIM	11	0	100	100
CAS	Phthalate esters	3	0	100	100
Vista	PCB congeners	8	0	100	100

Round 3B Stormwater Outfalls (January 2008 Storm Events I, II, III, IV, V)

Lab	Analyte Group	Total # Samples for Task	Data Received	% Analysis Complete	% Validation Complete
			March 2008		
CAS	Conventionals	11	5	100	55
CAS	Metals	10	8	100	50
CAS	Metals dissolved	7	6	100	57
CAS	Herbicides	9	5	100	44
CAS	PAH-SIM	8	5	100	38
CAS	Phthalate esters	2	0	100	100
Vista	PCB congeners	10	10	100	0

Round 3B Biota

Lab	Analyte Group	Total # Samples for Task	Data Received March 2008	% Analysis Complete	% Validation Complete
Axys	Dioxins	101	74	83	0
Axys	Pesticides	101	16	26	0
Axys	PCB congeners	101	27	37	0
Axys	Lipids	101	74	83	0
CAS	Metals	101	64	100	0
CAS	Butyltins	100	63	100	0
CAS	SVOC	100	63	100	0
CAS	PAH-SIM	101	64	100	0

Round 3B Biota - Collocated Sediments

Lab	Analyte Group	Total # Samples for Task	Data Received March 2008	% Analysis Complete	% Validation Complete
CAS	Conventionals	32	0	100	100
CAS	Metals	32	0	100	100
CAS	Butyltins	32	0	100	100
CAS	Dioxins	32	0	100	100
CAS	Pesticides	32	0	100	100
CAS	PCBs	32	0	100	100
CAS	SVOC	32	0	100	100
CAS	Alkylated PAH	32	0	100	100
Vista	PCB congeners	32	2	100	94

Round 3B Surface Sediments

Lab	Analyte Group	Total # Samples for Task	Data Received March 2008	% Analysis Complete	% Validation Complete
CAS	Conventionals	205	0	100	73
CAS	Metals	205	0	100	73
CAS	TPH	205	0	100	73
CAS	Dioxins	52	0	100	87
CAS	Pesticides	205	47	100	73
CAS	PCBs	205	0	100	73
CAS	SVOC	205	0	100	73
CAS	Alkylated PAH	205	0	100	73
Vista	PCB congeners	73	18	100	100

Round 3B Subsurface Sediments

Lab	Analyte Group	Total # Samples for Task	Data Received	% Analysis Complete	% Validation Complete
			March 2008		
CAS	Conventionals	226	22	100	0
CAS	Metals	226	22	100	0
CAS	TPH	226	22	100	0
CAS	Dioxins	31	17	100	0
CAS	Pesticides	226	134	100	0
CAS	PCBs	226	22	100	0
CAS	SVOC	226	23	100	0
CAS	PAH-SIM	96	8	100	0
CAS	Alkylated PAH	130	14	100	0
Vista	PCB congeners	95	73	100	0

Round 2 Archived Sediments

Lab	Analyte Group	Total # Samples for Task	Data Received	% Analysis Complete	% Validation Complete
			March 2008		
Vista	PCB congeners	53	0	0	0

4. SCHEDULE FOR THE NEXT FOUR MONTHS

Work described in the ASOC that is potentially planned for April, May, June, and July 2008 includes the following:

- April 2008: Round 3 Phase 2 Lamprey Toxicity Testing Report
- April 2008: Round 3B Bioassay Testing Data Report
- April 2008: Sediment Chemical Mobility Testing Quality Assurance Project Plan
- May 2008: Round 3A In-River Sediment Trap Data Report
- May 2008: Stormwater Loading Estimate Methods Report
- June 2008: Round 3B Stormwater Field Sampling Report
- June 2008: Additional Evaluation of Treatment Technologies Technical Memorandum


Submittal dates for pending products currently under preparation by LWG and scheduled for submittal in upcoming months are listed in Table 1.

5. DOCUMENTS AND ISSUES AWAITING EPA RESPONSE

EPA comments or approvals have not been received on several documents that have been submitted to EPA as required by the ASOC; these and other documents are listed in Table 1. The LWG requests document approvals to verify that the terms of the ASOC are being met and issues are resolved to maintain progress on the RI/FS.

If you have any questions, please give me a call at (206) 287-9130.

Sincerely,



Keith Pine
LWG Technical Project Manager

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Dick Pedersen, ODEQ (email only)
Rick Kepler, ODFW (email only)
Ted Buerger, USFWS (email only)
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Audie Huber, Confederated Tribes of Umatilla (email only)
Erin Madden, Nez Perce Tribe (email only)
Sheila Fleming, Ridolfi (email only)
LWG Repository

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Round 1			
Conceptual Site Model Update	9/17/2004	Submitted; EPA comments received 1/13/2005	
Revised Conceptual Site Model Update Site Summaries	10/10/2005	Summaries submitted 10/10/2005 for Gasco, Triangle Park, ExxonMobil, Marcom, Arkema, Gunderson, & Foss Brix	EPA comments not anticipated
Remaining Revised Conceptual Site Model Update Site Summaries	2/28/2007	Summaries for Rhone-Poulenc and Siltronic submitted on 2/28/2007.	4/30/2007
Conceptual Site Model Update - Remaining Upland Site Summaries	First batch: 3/8/2005	First batch submitted on 3/8/2005	First batch: 5/8/2005
	Second batch: 3/8/2005	Second batch submitted on 3/8/2005	Second batch: 5/8/2005
	Third batch: 4/26/2005	Third batch submitted on 4/26/2005	Third batch: 6/27/2005
	Fourth batch: 4/26/2005	Fourth batch submitted on 4/26/2005	Fourth batch: 6/27/2005
	Fifth batch: 5/31/2005	Fifth batch submitted on 5/31/2005	Fifth batch: 8/1/2005
	Sixth batch: 5/31/2005	Sixth batch submitted on 5/31/2005	Sixth batch: 8/1/2005
	Seventh batch: 9/1/2005	Seventh batch submitted on 9/2/2005	Seventh batch: 10/31/2005
	Last batch: 2/28/2007	Last batch submitted 2/28/2007	Last batch: 4/30/2007

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Compilation of Information for Sources Between RM 11 and 11.6 East Bank of Portland Harbor</i>	November 2007	Submitted to EPA and DEQ 11/21/2007	
Round 2 Biota			
<i>Revised Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue</i>	11/23/2005	Submitted 11/23/2005; approved with conditions on 12/6/2005; a final QAPP addendum is required	12/8/2005
<i>Final Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue</i>	TBD	On 2/9/2006, the LWG submitted a response to EPA's comments on the 11/23/2005 version of the QAPP addendum. The LWG has not heard back from EPA on that response. The LWG believes that a final QAPP is not required.	
Hydro/Sed Modeling			
<i>Phase 2 Recalibration Results: Hydrodynamic Sedimentation Modeling for the Lower Willamette River</i>	12/8/2006	Submitted 12/8/2006; EPA comments received 4/3/2007	
Groundwater Pathway			
<i>Draft Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan</i>	4/22/2005	Submitted 4/22/2005; EPA comments received 6/3/2005	
<i>Round 2 Groundwater Pathway Assessment</i>	TBD	This response to comments is on hold pending resolution of ongoing TZW	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Sampling and Analysis Plan - Response to EPA Comments</i>		framework discussions with EPA related to Round 3 data gap identification.	
<i>Revised Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan (including Appendix A - Site Summaries and Appendix B - Pilot Study Data Report)</i>	TBD	Revision of the Round 2 GWPA SAP is on hold pending resolution of ongoing TZW framework discussions with EPA related to Round 3 data gap identification.	
<i>Round 2 FSP for Sampling of Shoreline Seeps at Human Use Beaches</i>	4/29/2005	Submitted 4/29/2005; EPA comments received 6/10/2005	
<i>Revised Round 2 FSP for Sampling of Shoreline Seeps at Human Use Beaches</i>	No longer needed	The only seep determined to pose a potentially complete exposure pathway is discharge from Outfall 22B. The existing data from Outfall 22B include the upland COIs and meet the data quality requirements for risk evaluation (Category 1/QA2). Based on the Round 2 Report evaluations, no additional seep data are needed. Therefore, this FSP is no longer needed.	
<i>Revised Round 2 Groundwater Pathway Assessment SAP Attachment 2: Transition Zone Water FSP</i>	3/27/2006	Redline version submitted 3/27/2006; final to be submitted following approval or comments from EPA	4/28/2006

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Revised Round 2 Groundwater Pathway Assessment SAP Attachment 3: Supplement to QAPP Addendum 3</i>	10/7/2005	Submitted 10/7/2005: Conditional approval of proposed changes to the QAPP addendum received from EPA on 9/30/2005.	
<i>Revised Transition-Zone Water FSP Addendum 1 Sampling Plans for ExxonMobil, Siltronic, Gasco, and Arkema</i>	3/27/2006	Submitted 3/27/2006	
<i>Revised Transition-Zone Water FSP Addendum 2</i>	3/27/2006	Submitted 3/27/2006	
Natural Attenuation			
<i>Step 2 Natural Attenuation Evaluation Report</i>	No longer needed	EPA's proposed fate and transport modeling approach will provide the needed evaluation on monitored natural recovery (MNR). We propose that model be used to identify any further MNR data gaps and evaluations once it is up and running.	
Tech Memos			
Revised TRV Selection TM	10/23/2004	Submitted; EPA comments received 3/18/2005. On 6/10/2005, EPA directed the LWG to submit the final TRV Selection TM with the PRE.	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Second Revision Preliminary Risk Evaluation Approach TM	1/7/2005	Submitted; EPA comments received 3/4/2005. On 6/10/2005, EPA directed the LWG to submit the final PRE approach TM with the PRE.	
Comprehensive ERA Approach TM	6/27/2004	Submitted; EPA comments received 10/1/2004	
Revised Comprehensive ERA Approach TM	TBD	In a 1/11/2006 meeting with EPA, the LWG proposed deleting this deliverable. The LWG has not heard back from EPA on this proposal.	
Process for Derivation of PRGs TM	1/20/2005	Submitted; EPA comments received 6/30/2006; a revised tech memo is not required.	3/21/2005
<i>Response to EPA Comments on Process for Derivation of PRGs TM</i>	9/1/2006	Submitted 9/1/2006	
<i>Draft Approach to Determining Background for the Portland Harbor Superfund Site</i>	3/3/2006	Submitted 3/3/2006; EPA comments received 6/5/2006; revised tech memo required.	5/2/2006
<i>Revised Approach to Determining Background for the Portland Harbor Superfund Site</i>	7/20/2006	LWG response to EPA comments was submitted on 7/14/2006. Further discussion with EPA is required before the tech memo can be revised.	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Process for Delineating the Extent of Contamination Upstream and Downstream of the ISA</i>		The approach for Delineating the Extent of Contamination Upstream and Downstream of the ISA will be provided in the Draft RI Report	
<i>COPC Selection Interim Deliverable</i>	~1/23/2006	In a 1/11/2006 meeting with EPA, the LWG proposed deleting this deliverable. The LWG has not heard back from EPA on this proposal.	
Ecological Risk Assessment			
Ecological Preliminary Risk Evaluation (PRE)	9/9/2005	Submitted 9/9/2005; EPA comments received 4/28/2006, a revised PRE is not required	11/8/2005
Bioassay Data Report	4/15/2005	Submitted 4/8/2005	6/7/2005; EPA comments not anticipated
<i>Round 2 Benthic Assessment Interpretation Report</i>	3/17/2006	Submitted 3/17/2006; EPA comments received 7/6/2006	5/16/2006
<i>Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site</i>	11/4/2005	Submitted 11/4/2005; EPA comments received 3/10/2006	1/3/2006
<i>Response to EPA comments on Food Web Modeling Report: Evaluating Trophic</i>	4/21/2006	Submitted 4/21/2006	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site</i>			
<i>Revised Ecological Water Screening Levels</i>	5/26/2006	Submitted 5/25/2006; directive EPA comments received 9/15/2006, and a correction to the xylene AWQC on 9/27/06. Additional revisions were submitted on 10/13/2006.	7/9/2006; delay in receipt of EPA comments or approval of this submittal will impact the project schedule
Feasibility Study			
<i>2003 Sediment Stake Results Report</i>	4/16/2004	Submitted	EPA comments not anticipated
<i>Draft Disposal Site Inventory Preliminary Screening Report</i>	7/12/2004	Submitted	9/10/2004; project schedule not yet impacted by lack of comments on this submittal
<u>Revised Facility Siting Report</u>	<u>August 2008</u>		
<i>Literature Survey of Treatability Studies</i>	October 2007	Submitted 10/31/2007. EPA comments received 2/15/08.	Jan-08
<u><i>Additional Evaluation of Treatment Technologies Tech Memo</i></u>	<u>June 2008</u>		-
<i>Sediment Chemical Mobility Testing FSP</i>	3/24/2008	<u>Submitted 3/24/2008</u>	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Sediment Chemical Mobility Testing QAPP</i>	April 2008		
<i>Side-scan Sonar FSP</i>	January 2008	Submitted 1/18/08	
<i><u>Revised Side-scan Sonar FSP</u></i>	<u>4/28/2008</u>	<u>On March 31, 2008 EPA approved changing the submittal date to April 28, 2008.</u>	
General Field/Data/RI Reporting			
<i>Validated Analytical Results</i>	90 days following completion of each sampling activity		
<i>Round 2 Surface Sediment Field Sampling Report</i>	1/4/2005	Submitted	3/7/2005; EPA comments not anticipated
<i>Round 2A Subsurface Sediment Field Sampling Report</i>	1/10/2005	Submitted	3/11/2005; EPA comments not anticipated
<i>Round 2A Event 1 Surface Water Field Sampling Report</i>	1/31/2005	Submitted	4/1/2005; EPA comments not anticipated
<i>Round 2A Winter 2005 Surface Water Field Sampling Report</i>	5/16/2005	Submitted	7/15/2005; EPA comments not anticipated
<i>Round 2A Summer 2005 Surface Water Field Sampling Report</i>	9/19/2005	Submitted	11/19/2005; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2 Subyearling Chinook Tissue Collection Field Sampling Report</i>	7/18/2005	Submitted 7/18/2005	9/16/2005; EPA comments not anticipated
<i>Round 2 Multiplate Tissue Field Sampling Report</i>	11/23/2005	Submitted 11/23/2005	1/13/2006; EPA comments not anticipated
Draft Round 2 Sediment Site Characterization Summary Report	7/15/2005	Submitted 7/15/2005	9/13/2005; EPA comments not anticipated
<i>Draft Round 2 Surface Water Data Report for November 2004 and March 2005 Sampling Events</i>	10/17/2005	Submitted 10/17/2005	12/16/2005; EPA comments not anticipated
<i>Round 2B Subsurface Sediment Field Sampling Report</i>	12/28/2005	Submitted 12/29/2005	2/24/2006; EPA comments not anticipated
<i>Round 2 Transition Zone Water Field Sampling Report</i>	1/31/2006	Submitted 1/31/2006	4/3/2006; EPA comments not anticipated
<i>Round 2 Benthic Invertebrate Field Sampling Report</i>	2/20/2006	Submitted 2/20/2006	4/21/2006; EPA comments not anticipated
Round 2 Surface Water Site Characterization Summary Report	4/24/2006	Submitted 4/24/2006	6/23/2006

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2 Juvenile Chinook Tissue Data Report</i>	3/31/2006	Submitted 3/31/2006	5/29/2006; EPA comments not anticipated
<i>Round 2A Surface Sediment PCB Congeners Data Report</i>	4/10/2006	Submitted 4/10/2006	6/9/2006; EPA comments not anticipated
<i>Round 2A Archived Subsurface Sediment Data Report</i>	5/5/2006	Submitted 5/8/2006	7/7/2006; EPA comments not anticipated
<i>Round 2B Subsurface Sediment Data Report</i>	5/22/2006	Submitted 5/22/2006	7/21/2006; EPA comments not anticipated
<i>Round 2 Multiplate Invertebrate Tissue Data Report</i>	6/12/2006	Submitted 6/12/2006	8/11/2006; EPA comments not anticipated
<i>Round 2 Hydrodynamic/Sediment Transport Modeling Data Collection Field Sampling Report</i>	6/19/2006	Submitted 6/19/2007	10/2/2006; EPA comments not anticipated
<i>Round 2 Benthic Tissue and Sediment Data Report</i>	9/6/2006	Submitted 9/6/2006	11/6/2006; EPA comments not anticipated
<i>Round 2 Transition Zone Water Site</i>	8/7/2006	Submitted 8/7/2006	11/6/2006

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Characterization Summary Report</i>			
Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report	2/21/2007	Submitted 2/21/2007	Comments received 1/15/08 on Sections 1-9 and Appendices A, B, C, D, F, and G
ROUND 3			
SURFACE WATER			
<i>Round 3 January 2006 High-flow Event Surface Water Field Sampling Report</i>	3/22/2006	Submitted 3/27/2006	5/22/2006; EPA comments not anticipated
<i>Round 3 January 2006 Surface Water Sampling Event Data Report</i>	10/23/2006	Submitted 10/23/2006	12/22/2006; EPA comments not anticipated
<i>Round 3A September 2006 Low-flow Event Surface Water Sampling Field Sampling Report</i>	12/8/2006	Submitted 12/8/2006	2/6/2007; EPA comments not anticipated
<i>Round 3A November 2006 Stormwater Runoff Event Surface Water Sampling Field Sampling Report</i>	1/15/2007	Submitted 1/15/2007	3/16/2007; EPA comments not anticipated
<i>Round 3A 2007 High Flow Surface Water</i>	5/9/2007	Submitted 04/30/07	TBD; EPA comments not anticipated

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Field Sampling Report</i>			
<i>Round 3A Surface Water Data Report for September 2006 Low-flow Event add November 2006 Stormwater Runoff Event</i>	5/21/2007	Submitted 5/21/2007	TBD; EPA comments not anticipated
<i>Round 3A 2007 High Flow Surface Water Data Report</i>	October 2007	Submitted 10/15/2007	TBD; EPA comments not anticipated
TZW			
<i>Round 3 Gunderson TZW Field Sampling Report</i>	December 2007	Submitted 12/21/07	TBD; EPA comments not anticipated
BIOTA			
<i>Round 3 Lamprey Ammocoete Tissue Collection Field Sampling Report</i>	12/15/2006	Submitted 12/15/2006	2/16/2007; EPA comments not anticipated
<i>Round 3 Surgeon Field Sampling Report</i>	5/7/2007	Submitted 05/07/07	TBD; EPA comments not anticipated
<i>Round 3 Lamprey Ammocoete Phase 1 Toxicity Testing Data Report (and comment responses)</i>	4/6/07	Submitted 04/06/07	6/8/2007
<i>Round 3 Lamprey Ammocoete Tissue Testing Data Report</i>	August 2007	Submitted 08/24/07	TBD; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Juvenile Lamprey Tissue Data Interpretation Memorandum</i>	September 2007	Submitted 09/12/07	TBD
<i>Round 2 Mussels Data Report</i>	October 2007	Submitted 10/1/2007	
<i>Round 3 Phase 2 Lamprey Toxicity Testing Report</i>	April 2008	Data report due within 120 days of completion of each phase of testing per Phase 1 FSP.	
<i>Round 3B Biota Field Sampling Report</i>	February 2008	Submitted 2/15/08	
<i>Round 3 Sturgeon Data Report</i>	2/13/2008	Submitted 2/29/08	
<u><i>Round 3B Bioassay Testing Data Report</i></u>	<u>April 2008</u>	<u>Data report due within 60 days of receipt of the validated bioassay laboratory data report per Round 3B FSP.</u>	-
STORMWATER			
<i>Round 3A Field Sampling Plan: Stormwater Sampling</i>	2/7/2007	Submitted 2/7/2007; approved by EPA on 2/15/2007 with comments.	
<i>Round 2 QAPP Addendum 8: Round 3A Stormwater Sampling</i>	2/7/2007	Submitted 2/7/2007; approved by EPA on 2/15/2007 with comments.	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3A Upland Stormwater Field Sampling Report</i>	December 2007	Submitted 12/05/07	1/31/2008
<i>Stormwater Field Sampling Report</i>	<u>6/16/2008</u>		
<i><u>Stormwater Data Report</u></i>	<u>September 2008</u>		
<i>Stormwater Loading Estimate Methods Report</i>	<u>May 2008</u>		
SEDIMENT			
<i>Round 3A Sediment Upstream / Downstream Field Sampling Report</i>	4/9/2007	Submitted 04/09/07	TBD; EPA comments not anticipated
<i>Round 3B Field Sampling Plan: Sediment Sampling and Benthic Toxicity Testing</i>		Submitted 5/4/2007	TBD;
<i>Upriver and Multnomah Channel Sediment Evaluation and Field Sampling Plan Technical Approach</i>		Submitted 5/25/2007	TBD
<i>Draft Round 3B Surface and Core Sediment FSP Preliminary Technical Memorandum</i>		Submitted 5/25/2007	TBD

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Draft Round 3B Erosion Core Sediment FSP Technical Memorandum</i>	August 2007	Submitted 8/29/07	TBD
<i>Round 3A Sediment Upstream / Downstream Data Report</i>	8/6/2007	Submitted 7/30/07	TBD; EPA comments not anticipated
<i>Round 3A Sediment Radioisotope Data Report</i>	November 2007	Submitted 11/16/2007	
<i>Round 3B QAPP Addendum 10 for Sediment Sampling</i>	November 2007	Submitted 12/17/2007	
<i>Round 3B Comprehensive Sediment and Bioassay Testing Field Sampling Report</i>	March 2008	<u>Submitted 3/21/2008</u>	
<i>Willamette Cove Data Report</i>	March 2008	<u>Submitted 3/14/2008</u>	
SEDIMENT TRAP (IN-RIVER)			
<i>Round 3A Sediment Trap Sampling Quarter 1 Field Report</i>	April 2007	Submitted 04/16/2007	TBD; EPA comments not anticipated
<i>Round 3A Sediment Trap Sampling Quarter 2 Field Report</i>	August 2007	Submitted 08/07/2007	TBD; EPA comments not anticipated
<i>Round 3A Sediment Trap Sampling Quarter 3 Field Report</i>	October 2007	Submitted 10/25/2007	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3A Sediment Trap Sampling Quarter 4 Field Report</i>	January 2008	Submitted 1/24/2008	
<i>Sediment Trap Data Report</i>	<u>August 2008</u>		Due 120 days after sampling and analysis is done. Submittal deadline assumes data posted in April.
FATE & TRANSPORT			
<i>Draft Chemical Fate & Transport Model Development and Data Gaps Identification Report</i>	July 2007	Submitted 7/20/2007; response to comments being prepared by the LWG	EPA comments received 10/15/07
<i>F&T Surface Sediment FSP – Addendum to 3B Sediment FSP</i>	December 2007	Submitted 12/10/2007	EPA comments received 1/2/08. 1/16/08 LWG agreed with EPA not to perform the sampling
CULTURAL RESOURCES			
Draft Cultural Resource Survey Report	12/16/2005	Submitted 12/16/2005	2/14/2006; EPA comments not time-critical at this point in the project

Notes:

¹ - **Bolded Deliverables** are primary deliverables per Section XIX., Paragraph 4 of AOC (EPA 2001a).

Unbolded Deliverables are secondary deliverables per Section XIX, Paragraph 5 of AOC.

Italicized Deliverables do not have stipulated penalty amounts.

² - Listed Submittal Deadlines are for draft documents. Unless otherwise specified, all final documents are due to EPA 30 days following receipt of comments from EPA.

Only deliverables due within the next four months are shown.

Deliverable completed and approved by EPA.

Deliverable submitted to EPA and its partners.

Underlining indicates text change from last progress report.